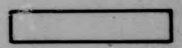


1816

H

Names of Party Members.

Names	Address	Occupation
E.O. Henderson	Stockton	Leveller
C.W.F. Graeser	Vernon.	Rodman.
Lloyd Fish	Stockton	Chainman.
H. Lane	Sacto	"

I

Index

Page	Contents.
H	Names of Party members
I	Index
1 to 3	August X-section S.A.D.Co Contract
4	" " " " Road-crossing-E[9] 1450 to 66.
5 to 12	September X-section S.A.D.Co Contract
13 to 16	" Estimate of Weights S.A.D.Co. Contract.
17 to 23	October X-section S.A.D.Co. Contract.
24 to 30	November X-section S.A.D.Co. " (No. Estimate)

1817

Cross-section Notes for August
Standard American Dredging Company

P.

1

-1910 Estimate taken Sept. 2, 1910.
Contract - Hydraulic Dredge "Richmond"

Station	L	C	R
1443+78			
		Original X-Section	
1441			
	4° 37° 8° 27° 6° 25° 7° 22° 7° 9° 7° 7° 7° 9° 7° 10° 7° 12° 5° 27° 6° 37° 3° 38°		
+50			
	3° 40° 8° 29° 6° 26° 8° 22° 8° 9° 8° 7° 8° 9° 8° 17° 6° 21° 9° 26° 4° 35°		
1442			
	4° 65° 5° 37° 8° 30° 7° 25° 10° 22° 9° 19° 9° 9° 10° 10° 10° 10° 10° 22° 7° 25° 9° 29° 5° 37°		
+50			
	5° 36° 7° 30° 8° 29° 10° 21° 12° 16° 12° 9° 13° 13° 12° 22° 12° 24° 8° 32° 8° 37° 8° 38°		
1443			
	4° 79° 5° 35° 8° 31° 7° 24° 12° 9° 11° 14° 13° 13° 12° 33° 8° 37° 9° 43° 6° 50°		
+50			
	7° 75° 5° 60° 6° 40° 8° 26° 8° 26° 10° 20° 12° 9° 21° 5° 20° 20° 9° 21° 22° 18° 32° 7° 41° 3° 24° 3° 30° 6° 43°		
1444			
	7° 49° 5° 30° 8° 21° 7° 23° 9° 22° 18° 9° 21° 6° 20° 20° 9° 20° 22° 11° 34° 8° 40° 9° 9° 6° 51° 5° 41°		
+50			
	4° 56° 5° 39° 8° 21° 7° 23° 10° 22° 18° 9° 20° 6° 20° 20° 9° 20° 23° 9° 32° 6° 33° 8° 35° 4° 39°		
1445			
	3° 66° 4° 36° 8° 29° 7° 25° 11° 21° 20° 9° 21° 7° 21° 21° 9° 20° 23° 9° 31° 7° 29° 8° 41° 6° 52° 6° 41°		
+50			
	5° 50° 5° 29° 8° 21° 6° 24° 11° 21° 20° 9° 21° 7° 21° 21° 9° 21° 22° 10° 33° 8° 41° 9° 45° 6° 52°		

(Pages 1 to 4 inclusive Plotted 9-14-10) DH.

1818

Cross-section Notes for August 1910
Standard American Dredging Company

P. 2.
Estimate taken Sept. 2, 1910.
Contract - Hydraulic Dredge "Richmond"

Station	L	C	R
1446	$\frac{4^0}{14^0}$ $\frac{6^5}{31^0}$ $\frac{7^6}{26^0}$ $\frac{11^2}{22^0}$ $\frac{20^1}{9^0}$ $\frac{23^2}{6^0}$	22°	$\frac{21^0}{9^0}$ $\frac{22^1}{23^0}$ $\frac{11^6}{34^0}$ $\frac{8^7}{51^0}$ $\frac{7^9}{43^0}$ $\frac{9^1}{41^0}$ $\frac{6^0}{39^0}$ $\frac{5^6}{67^0}$
+50	$\frac{3^1}{58^0}$ $\frac{4^1}{95^0}$ $\frac{22^7}{9^0}$	22°	$\frac{20^6}{9^0}$ $\frac{23^1}{19^0}$ $\frac{12^8}{36^0}$ $\frac{8^2}{57^0}$ $\frac{8^7}{44^0}$ $\frac{11^5}{52^0}$
1447	$\frac{3^5}{75^0}$ $\frac{2^8}{32^0}$ $\frac{21^1}{9^0}$	21°	$\frac{22^1}{9^0}$ $\frac{23^5}{17^0}$ $\frac{12^1}{31^0}$ $\frac{9^3}{35^0}$ $\frac{8^8}{38^0}$ $\frac{5^1}{39^0}$
+50	$\frac{4^5}{65^0}$ $\frac{6^8}{81^0}$ $\frac{19^8}{9^0}$ $\frac{20^9}{7^0}$	21°	$\frac{21^5}{9^0}$ $\frac{24^2}{15^0}$ $\frac{10^5}{34^0}$ $\frac{11^6}{32^0}$ $\frac{6^2}{39^0}$
1448	$\frac{7^4}{33^0}$ $\frac{10^3}{24^0}$ $\frac{12^7}{22^0}$ $\frac{12^8}{9^0}$	19°	$\frac{19^2}{9^0}$ $\frac{12^5}{17^0}$ $\frac{9^1}{30^0}$
+50	$\frac{6^4}{59^0}$ $\frac{8^0}{21^0}$ $\frac{11^0}{25^0}$ $\frac{10^1}{22^0}$ $\frac{18^7}{9^0}$	20°	$\frac{22^6}{9^0}$ $\frac{12^3}{22^0}$ $\frac{12^7}{25^0}$ $\frac{7^5}{33^0}$
1449	$\frac{5^2}{56^0}$ $\frac{6^5}{33^0}$ $\frac{11^4}{24^0}$ $\frac{11^1}{23^0}$ $\frac{13^6}{9^0}$ $\frac{21^6}{6^0}$	21°	$\frac{20^9}{9^0}$ $\frac{9^1}{34^0}$
+50	$\frac{7^0}{58^0}$ $\frac{1^7}{26^0}$ $\frac{10^7}{22^0}$ $\frac{10^2}{20^0}$ $\frac{18^1}{9^0}$ $\frac{20^2}{6^0}$	21°	$\frac{23^9}{9^0}$ $\frac{8^2}{32^0}$
1450	$\frac{6^7}{53^0}$ $\frac{7^5}{26^0}$ $\frac{7^2}{25^0}$ $\frac{12^5}{9^0}$ $\frac{20^0}{7^0}$	20°	$\frac{19^7}{9^0}$ $\frac{9^1}{40^0}$
+50	(road crossing) $\frac{10^2}{9^0}$	19°	$\frac{17^7}{9^0}$ (road crossing) (see page 4)
1451	$\frac{11^5}{50^0}$ $\frac{7^9}{190^0}$ $\frac{12^6}{53^0}$	17°	$\frac{11^5}{9^0}$ $\frac{7^8}{18^0}$ $\frac{5^1}{45^0}$

1819

Cross-section Notes for August 1910
Standard American Dredging Company

Station	L	C	R.
+50	$\frac{3^8}{41^0}$	$\frac{7^9}{19^0}$ $\frac{15^7}{9^0}$	15^6 $\frac{15^7}{9^0}$ $\frac{15^7}{12^0}$ $\frac{4^0}{35^0}$
+78	$\frac{4^3}{39^0}$	$\frac{16^4}{13^0}$ $\frac{16^5}{9^0}$	16^7 $\frac{16^2}{9^0}$ $\frac{15^6}{12^0}$ $\frac{4^6}{36^0}$
1452	$\frac{4^5}{30^0}$	$\frac{11^9}{9^0}$	12^0 $\frac{12^3}{9^0}$ $\frac{4^6}{35^0}$
+19			

P 3

Estimate Taken Sept 2, 1910.
Contract – Hydraulic Dredge "Richmond".

Original X-Section.

Numerator = Elevation
Denominator = Distance from Center line.
Elevations Taken from S.S.R.R. Datum.
C.O.E.

1820

Cross-section Notes for August 1910.
Standard American Dredging Company
Road-crossing X-section

Sta.
1+50
1+00
0+50
0+28
0+10
P 1450+66.4 0°70.00
0+10
0+28
0+50
1+00
1+15
1+50

P 4

Estimate taken Sept 3, 1910
Contract - Hydraulic Dredge "Richmond"
Station E° 1450 + 66.
L C R

Original X-section.

$\frac{8^9}{22}$ $\frac{12^5}{14}$ $\frac{12^8}{18}$ 13^0 $\frac{13^4}{10}$ $\frac{13^2}{13}$ $\frac{8^6}{21}$

$\frac{9^1}{31}$ $\frac{14^7}{15}$ $\frac{15^6}{10}$ 15^2 $\frac{14^6}{10}$ $\frac{11^7}{24}$ $\frac{8^6}{31}$

$\frac{11^1}{32}$ $\frac{12^6}{12}$ $\frac{12^7}{10}$ 18^4 $\frac{18^5}{10^1}$ $\frac{18^6}{17^0}$ $\frac{11^7}{31}$ $\frac{9^8}{47}$

$\frac{12^7}{14}$ $\frac{18^0}{13^2}$ 17^2 $\frac{18^1}{10}$ $\frac{20^4}{15}$ ~~$\frac{}{}$~~

$\frac{18^5}{10}$ 17^2 $\frac{19^6}{10}$

$\frac{17^9}{24}$ $\frac{18^1}{10}$ 18^5 $\frac{19^3}{10}$ $\frac{19^2}{16}$

$\frac{9^5}{30}$ $\frac{11^8}{15}$ $\frac{15^2}{10^2}$ $\frac{17^0}{8^0}$ 16^3 $\frac{17^4}{10}$ $\frac{17^3}{13}$ $\frac{11^3}{24}$ $\frac{9^3}{34}$ $\frac{7^5}{42}$

$\frac{9^2}{30}$ $\frac{9^8}{25}$ $\frac{16^5}{10}$ 15^4 $\frac{15^6}{10}$ $\frac{15^6}{13}$ $\frac{10^3}{27}$ $\frac{7^3}{113}$

$\frac{7^1}{23}$ $\frac{12^2}{15}$ $\frac{11^6}{10}$ 12^3 $\frac{12^3}{10}$ $\frac{12^1}{13}$ $\frac{8^5}{25}$

$\frac{7^1}{15^0}$ $\frac{8^4}{10^0}$ 13^3 $\frac{10^3}{7^0}$ $\frac{8^3}{10^1}$ $\frac{6^0}{19}$

Original X-section

Numerator = Elevation. Denominator = Distance from C.
Elevations taken from U.S.C.&G.S. datum.

1821

Cross-section Notes for September 1910

Standard American Dredging Company

Road X-ing	X-section	
+ 1 50		
1 +00		
+50		
+28		Cross-sections taken on ℄ Right of E⁹ Line
+10		
E⁹ 1450 466 = 0 +00 △		
+10		
+28		
+50		
1 +66		Cross-sections taken on ℄ Left of E⁹ Line
+45		
+50		

5

Estimate taken September 31, 1910

Contract – Hydraulic Dredge "Richmond"

Station E⁹ 1450 +66 = 0+00

	L.	C.	R.
		Original	
	$\frac{8^9}{22^0}$ $\frac{13^2}{14^9}$ $\frac{13^1}{10^0}$	12^9	$\frac{18^3}{10^0}$ $\frac{13^3}{10^4}$ $\frac{8^6}{21^0}$
	$\frac{8^9}{33^5}$ $\frac{12^1}{28^0}$ $\frac{14^{10}}{12^5}$ $\frac{15^6}{10^0}$	15^7	$\frac{14^8}{10^0}$ $\frac{11^9}{27^0}$ $\frac{7^9}{34^0}$ $\frac{7^6}{38^0}$
R.R. Grade	$\frac{12^1}{23^5}$ $\frac{11^4}{10^0}$	18^2	$\frac{8^3}{10^0}$ $\frac{18^1}{14^0}$ $\frac{12^1}{29^0}$ R.R. Grade
R.R. Grade	$\frac{17^7}{20^4}$ $\frac{18^1}{10^0}$	19^0	$\frac{19^6}{10^0}$ $\frac{19^9}{17^0}$ R.R. Grade
R.R. Grade	$\frac{18^3}{10^0}$	18^7	$\frac{19^5}{10^0}$ R.R. Grade
R.R. Grade	$\frac{17^3}{21^0}$ $\frac{18^0}{10^0}$	18^1	$\frac{18^9}{10^0}$ $\frac{18^9}{15^2}$ R.R. Grade
R.R. Grade	$\frac{9^8}{34^0}$ $\frac{11^7}{20^0}$ $\frac{16^0}{10^0}$ $\frac{16^6}{8^7}$	16^5	$\frac{17^2}{10^0}$ $\frac{16^7}{17^9}$ $\frac{10^3}{20^0}$ $\frac{9^0}{35^0}$ R.R. Grade
	$\frac{8^2}{14^3}$ $\frac{9^5}{25^0}$ $\frac{14^0}{10^0}$	15^2	$\frac{15^3}{10^0}$ $\frac{14^9}{13^0}$ $\frac{3^1}{21^5}$ $\frac{2^5}{5^0}$
	$\frac{7^4}{13^0}$ $\frac{12^0}{13^2}$ $\frac{11^7}{10^0}$	11^5	$\frac{12^3}{10^0}$ $\frac{11^8}{19^0}$ $\frac{4^9}{24^0}$ $\frac{6^2}{30^3}$
	$\frac{7^1}{15^0}$ $\frac{8^4}{10^0}$	10^3	$\frac{10^3}{7^0}$ $\frac{8^3}{10^0}$ $\frac{6^1}{11^0}$
		Ground	

1822

Cross-section Notes for September 1910
Standard American Dredging Company's

Estimate taken October 1, 1910.
Contract - Hydraulic Dredge Richmond

Lt C Rt

Original x-section

+75

1+28+80

1429

+50

1480

+30

1431

+50

1432

+23'

+38½

+70'

1823

Cross-section Notes for September 1910

Standard American Dredging Company's

70
+17

1133

+60

+67

1431

+50

+78

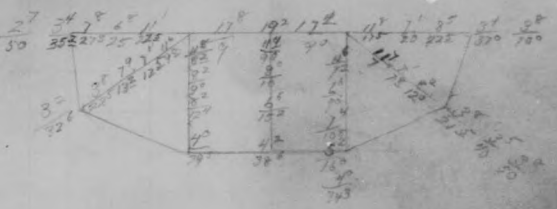
1435

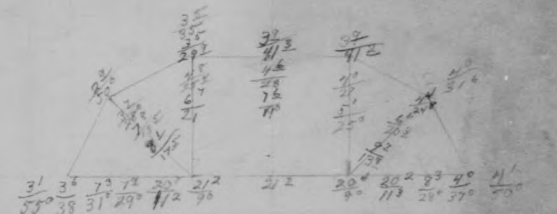
+185

Estimate taken October 1, 1910.

Contract — Hydraulic Dredge "Richmond"

L C





$\frac{2^{1}}{51^{0}}$ $\frac{4^{0}}{32^{6}}$ $\frac{21^{0}}{12^{0}}$ $\frac{21^{2}}{9^{0}}$ $\frac{21^{5}}{}$ $\frac{20^{7}}{9^{0}}$ $\frac{20^{9}}{12^{6}}$ $\frac{7^{3}}{36^{8}}$ $\frac{4^{1}}{50^{0}}$

$\frac{3^{6}}{30}$ $\frac{7^{8}}{37^{2}}$ $\frac{7^{11}}{32^{3}}$ $\frac{8^{1}}{30^{2}}$ $\frac{21^{0}}{13^{0}}$ $\frac{21^{4}}{9^{0}}$ 21^{9} $\frac{21^{3}}{9^{0}}$ $\frac{21^{5}}{13^{0}}$ $\frac{4^{8}}{36^{9}}$ $\frac{4^{2}}{50^{0}}$

$\frac{4^{0}}{45^{2}}$ $\frac{4^{6}}{36^{7}}$ $\frac{7^{1}}{32^{3}}$ $\frac{8^{0}}{28^{2}}$ $\frac{21^{8}}{10^{4}}$ $\frac{21^{9}}{9^{0}}$ 22^{0} $\frac{21^{8}}{9^{0}}$ $\frac{21^{5}}{11^{8}}$ $\frac{4^{1}}{27^{8}}$ $\frac{4^{1}}{50^{0}}$

$\frac{4^{0}}{45^{2}}$ $\frac{4^{4}}{37^{5}}$ $\frac{7^{0}}{32^{3}}$ $\frac{8^{3}}{29^{1}}$ $\frac{21^{8}}{9^{7}}$ $\frac{21^{4}}{9^{0}}$ 21^{4} $\frac{21^{3}}{9^{0}}$ $\frac{21^{4}}{10^{7}}$ $\frac{5^{3}}{34}$ $\frac{45}{57^{8}}$ N.G.

1824

Cross-section Notes for September 1910 — Estimate taken October 4, 1910.

Standard American Dredging Company — Contract — Hydraulic Dredge "Richmond"

+30

1436

+30

1437

+31.5

+47.5

1438

+22.5

+50

LT C TT

Cross-section Notes for September 1910 — Estimate taken October 4, 1910. — 9

Standard American Dredging Company — Contract - Hydraulic Dredge "Richmond"

		Lt	C	Rt.
1439	See page 13 For Notes on Sloughs	$\frac{2^5}{50}$ $\frac{2^6}{38^0}$ $\frac{7^2}{32^7}$ $\frac{8'}{29^4}$ $\frac{21^8}{19^2}$ $\frac{21^8}{90}$ 21^2 $\frac{21^5}{90}$ $\frac{21^5}{90}$ $\frac{6^2}{37^5}$		$\frac{3^0}{50}$ $\frac{3^2}{19^4}$
+32	See page 16 →	$\frac{3^0}{30}$ $\frac{4'}{33^3}$ $\frac{8^7}{32^2}$ original notes		
+50		$\frac{3^0}{50^0}$ $\frac{4^6}{45^8}$ $\frac{4^3}{36^8}$ $\frac{22'}{90}$ 21^5 $\frac{21^8}{90}$ $\frac{21^7}{10^0}$ $\frac{4'}{36^0}$ $\frac{3^6}{63^0}$		
+86.7		$\frac{3^0}{30}$ $\frac{4^6}{41^3}$ $\frac{4^3}{35}$ $\frac{22^6}{90}$ $\frac{22^9}{80}$ 22^7 $\frac{22^9}{85}$ $\frac{22^5}{90}$ $\frac{5^2}{33^7}$		
1440		$\frac{3^5}{50^3}$ $\frac{3^6}{48}$ $\frac{5^3}{45}$ $\frac{5^6}{40}$ $\frac{4^9}{34^5}$ $\frac{21'}{90}$ $\frac{22^7}{70}$ 22^7 $\frac{22^8}{90}$ $\frac{5^4}{34^0}$ $\frac{5^8}{37^2}$ $\frac{5^8}{37^2}$ $\frac{2^8}{37^2}$ $\frac{5^6}{60}$		
+42'	See page 16 →	$\frac{4^4}{70^0}$ $\frac{4^6}{44^0}$ $\frac{6^0}{42}$ $\frac{6'}{38^4}$ original X-sec.		
+50		$\frac{4^6}{50}$ $\frac{4^9}{42^0}$ $\frac{5^4}{33^8}$ $\frac{21'}{90}$ $\frac{22^1}{70}$ 22^9 $\frac{22^7}{85}$ $\frac{22^6}{90}$ $\frac{7^6}{35^0}$ $\frac{4^8}{41^0}$ $\frac{4^7}{46^3}$ $\frac{2^1}{119^3}$ $\frac{3^5}{70^0}$		
1441	See page 13. for Notes on Sloughs.	$\frac{3^8}{50^0}$ $\frac{4^3}{37^2}$ $\frac{11^4}{26^6}$ $\frac{11^8}{24^0}$ $\frac{21^6}{90}$ $\frac{22^2}{85}$ 22^2 $\frac{22'}{85}$ $\frac{19^8}{90}$ $\frac{5^7}{32^3}$ $\frac{6^1}{37^2}$ $\frac{5^7}{43^5}$ $\frac{3^8}{48}$ $\frac{3^5}{60^0}$		
+15		$\frac{3^6}{50^0}$ $\frac{4^2}{38^2}$ $\frac{11^6}{21^8}$ $\frac{12^2}{23^0}$ $\frac{21^6}{90}$ $\frac{21^9}{85}$ 21^9 $\frac{21^7}{5}$, $\frac{19^1}{90}$ $\frac{5^5}{31^4}$ $\frac{6^5}{36^5}$ $\frac{5^8}{42^0}$ $\frac{4^0}{44^0}$ $\frac{3^6}{70^0}$		
+39.41		$\frac{3^1}{50^0}$ $\frac{4'}{39^6}$ $\frac{10^7}{29^2}$ $\frac{10^8}{26^2}$ $\frac{21^8}{90}$ $\frac{22^2}{85}$ 22^4 $\frac{22^0}{45}$ $\frac{18^7}{90}$ $\frac{9^0}{23^2}$ $\frac{8^5}{26^0}$ $\frac{4^7}{32^1}$ $\frac{4^9}{38^0}$ $\frac{4^0}{46^2}$ $\frac{3^2}{70}$		
+30		$\frac{3^8}{50^0}$ $\frac{4^0}{38^4}$ $\frac{10^1}{29^8}$ $\frac{10^6}{26^0}$ $\frac{22^0}{90}$ $\frac{22^4}{86}$ 21^9 $\frac{21^5}{45}$ $\frac{18^2}{1^0}$ $\frac{9^0}{24^0}$ $\frac{8^6}{26^0}$ $\frac{4^7}{33^2}$ $\frac{3^7}{70^0}$		
1442	See page 14 for notes on Sloughs.	$\frac{4^0}{50}$ $\frac{4^6}{31^8}$ $\frac{9^9}{30^2}$ $\frac{9^9}{25^0}$ $\frac{20'}{90}$ $\frac{21^5}{90}$ 21^6 $\frac{21^2}{90}$ $\frac{9^2}{26^4}$ $\frac{9^4}{28^3}$ $\frac{5^4}{33^0}$ $\frac{6^2}{41^2}$ $\frac{4^9}{45^0}$ $\frac{4^3}{70}$		

1826

Cross-section Notes for September 1910 -

Stratford American Dredging Company -

+50

1443

+36 — See page 14 →

+50

1441

+50

1445

+20 — See page 14 →

+50

+65 — See page 14 & 15

1446

+52

1447

Estimate taken October 5, 1910.

Contract - Hydraulic Dredge "Richmond"

Lt. C 777

1827

Cross-section Notes for September 1910

Standard American Dredging Company's

+32.6

+50

+75.5

1448

+53.9

"E" 1448+99
="E" 1448+97

1419

+50

1430

+50

Estimate taken October 5, 1910.

Contract - Hydraulic Dredge "Richmond."

LT. C TPT

11

4.3 1.7 7.6 12.5 19.6 20.9 22' 21.3 21.7 10' 7.5 6.7 6'
3.0 4.8 3.0 2.0 9.0 6.4 11.0 3.3 5 4.3 6.0

4.3 4.5 6.3 6.6 9.3 19.6 21' 21.4 21.4 21.8 11.5 11.3 7.9 7.5
3.7 4.4 3.7 3.2 2.7 9.0 5.6 9.0 12.0 2.5 3.2 9.0 5.0

5.5 6.0 1.5 7.8 10.0 18.7 20.6 20.4 20.3 20.1 11.7 12.3 8.5 8.2
5.0 4.4 2.1 4.3 2.3 9.0 6.2 9.0 19.8 21.5 2.8 3.6 6.0

5.9 1.3 10.9 11.0 18.7 19.7 19' 19.0 18.7 12.2 12.3 9.5 8.4
5.0 3.2 2.5 2.1 9.0 6.8 9.0 21.2 25.9 3.1.5 5.0

4.4 1.3 8.8 8.8 10.5 10.2 18.4 20.5 20.8 20.5 12.2 12.7 9.4 0.3
3.7 3.4 2.9 2.4 2.1.6 9.0 5.7 9.0 21.6 23.5 3.2.2 5.0

5.3 6.3 8.2 8.2 11.2 11.4 19.7 21.3 21.8 21.1 20.8 12.7 12.0 9.3 8.6 8.8
5.1 4.8 3.2 2.8 2.3.5 2.1.4 9.0 5.1 8.2 9.0 12.2 2.4.6 3.2 3.5 4.0

5.7 6.7 8.5 8.6 11.3 19.5 21.8 21.8 21.0 12.7 13.0 9.4 8.7 8.8
5.0 4.1 3.3.7 2.8.8 2.3.5 2.1.8 9.0 4.7 9.0 22.5 24.5 3.2 3.4 3.8

5.5 5.7 6.8 8.1 10.2 18.7 18.4 20.6 20.8 20.8 12.3 11.6 8.5 7.8 8.0
5.0 4.1.6 3.1.4 3.2.4 2.1.4 2.1.8 9.0 5.0 9.0 23.7 24.0 3.2 3.8

6.0 6.2 7.5 7.7 18.7 19.4 20.2 19.5 12.2 11.2 7.7 7.9
5.0 3.1 3.2.2 2.1.4 9.0 7.3 9.0 23.9 21.9 3.9.5 5.0

road x-ing 19.2 19.8 19.7 19.9 20.1 road x-ing
9.0 8.0 9.0 10.4

1828

Cross-section Notes for September 1910

Standard American Dredging Company

"E"

1451

+30

1451 +77

1452

+19

Estimate taken October 5, 1910.

Contract - Hydraulic Dredge "Richmond"

12

Lt	C	Rt
$\frac{7^0}{38^0}$ $\frac{8^0}{110^{+1}}$ $\frac{9^3}{29^5}$ $\frac{11^9}{34^8}$ $\frac{12^1}{19^5}$ $\frac{17^3}{7^0}$	17^0	$\frac{17^6}{8^0}$ $\frac{17^7}{9^0}$ $\frac{11^7}{14^4}$ $\frac{12^3}{22^6}$ $\frac{11^1}{34^0}$ $\frac{8^5}{5^3}$
$\frac{7^8}{116^5}$ $\frac{1^8}{116^5}$ $\frac{7^8}{334}$ $\frac{16^0}{9^0}$	16^5	$\frac{16^9}{7^0}$ $\frac{15^6}{12^0}$ $\frac{12^0}{22^6}$ $\frac{10^8}{31^2}$ $\frac{9^8}{36}$ $\frac{8^7}{41^5}$
$\frac{8^2}{37^3}$ $\frac{8^4}{31^7}$ $\frac{16^5}{115}$ $\frac{16^6}{7^0}$	16^1	$\frac{15^8}{9^0}$ $\frac{15^7}{15^3}$ $\frac{2^4}{34^0}$ $\frac{8^8}{59^9}$ $\frac{8^7}{41^0}$
$\frac{8^5}{38^5}$ $\frac{8^6}{31^0}$ $\frac{7^8}{28^3}$ $\frac{12^1}{112}$ $\frac{12^2}{9^0}$	12^7	$\frac{12^7}{9^0}$ $\frac{18^9}{18^0}$ $\frac{9^0}{29^8}$ $\frac{8^2}{31^5}$

original X-section.

(In all cases)

Numerator = Elevation

Denominator = Distance from ℄

Elevations taken from S.S.P.R. Datum

U.S.A.

1829

Estimate of Material Sloughed out

Standard American Dredging Company's

1438 +75

1438 +90

1437 +10

1437 +40

1437 +45

1439 +75

1440 +00

1440 +30

1440 +50

1441 +05

1441 +40

Kim Pitt – Taken October 6, 1910.

Contract – Hydraulic Dredge "Richmond"

13

L C 77

Nat. Sur.

Length overall 10' (a.N.S.) < 42°

" of Top 30'

Width of Bottom 12'

" " Top 6' < 42°

Height of Center 2°

" Southend of Top 1°

Height of Mound at Top. 12

Nat. Sur.

Length overall 75' < 43° Nat. Sur.

Width of Bottom 12'

Greatest Height from N.S. 2°

Natural Surface at Both ends.

< 13°

Nat. Surface.

Length overall 90' < 38

Width of Bottom 12'

Greatest Height (top 10') from N.S. 3°

Natural Surface at Both ends

< 38

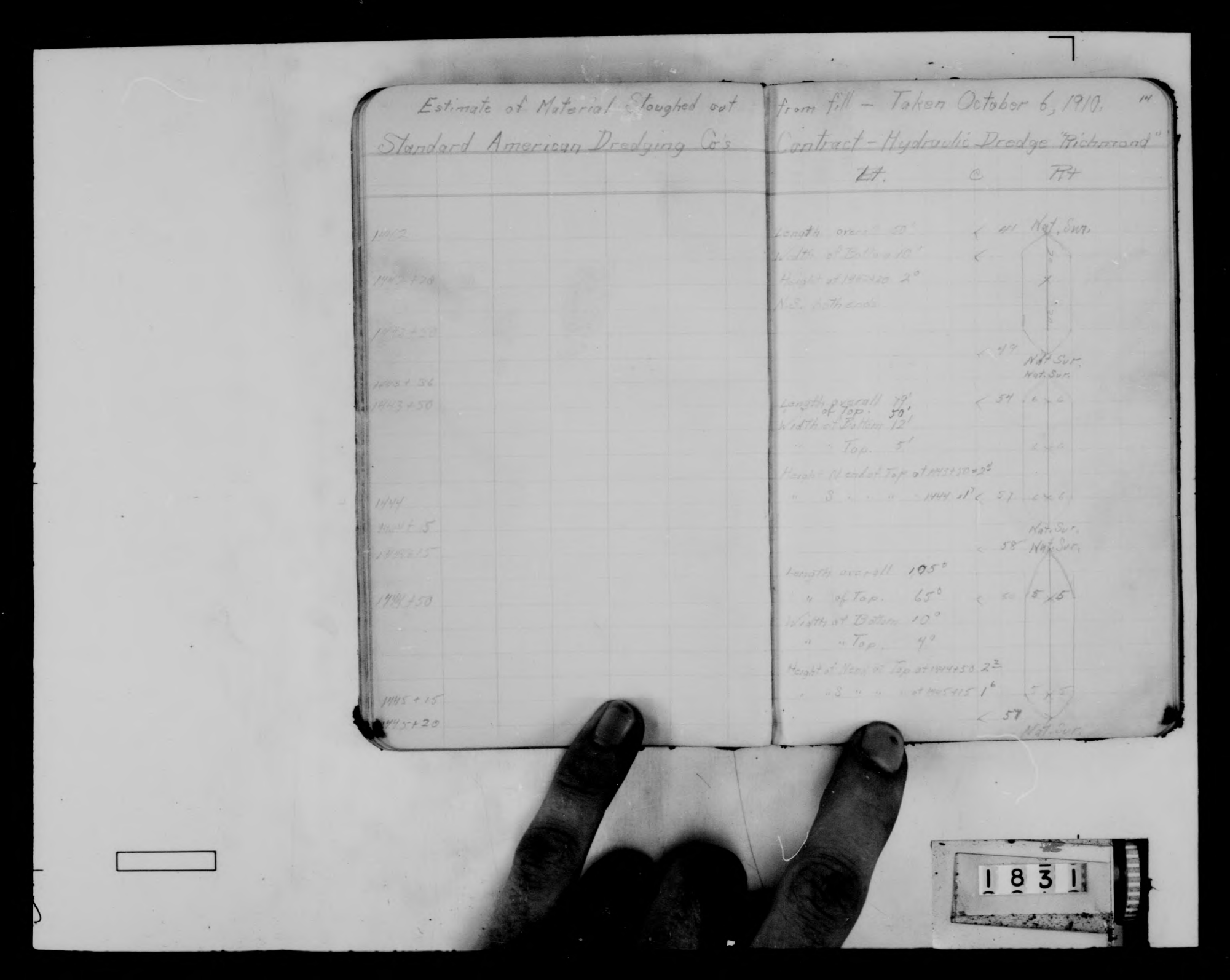
Nat. Surface.

1830

Estimate of Material Sloughed out from fill – Taken October 6, 1910. 14

Standard American Dredging Co's Contract – Hydraulic Dredge "Richmond"

	Lt.	@	Rt
1442			
1442+20	Length overall 50'	< 41	Nat. Surf.
	Width of Bottom 10'	<	
1442+50	Height at 1442+20 2°		
	N.S. both ends		
		< 49	Nat. Surf.
1443+36			Nat. Sur.
1443+50	Length overall 78'	< 54	
	" of Top: 50'		
	Width of Bottom 12'		
	" " Top. 5'		
	Height N end of Top at 1443+50 +2°		
	" S " " " 1444 +1'	< 51	
1444			Nat. Sur.
1444+15		< 58	Nat. Surf.
1444+50	Length overall 105°		
	" of Top. 65°	< 60	
	Width at Bottom 10°		
	" " Top. 4°		
	Height of N end of Top at 1444+50 2'		
	" S " " " at 1445+15 1'		
1445+15		< 57	
1445+20			Nat. Surf.



Estimate of Material Sloughed out from fill - Taken October 6, 1910. 15

Standard American Dredging Co. Contract - Hydraulic Dredge "Richmond"

	Lt	C	Rt
1+45 +20			
1+45 +35			
1+45 +50			

Length overall 30' < 52 Net Sur.
Width of Bottom 11'
Height at 1+45+35 2'
< 52

In all cases -
Height of Slough measured from natural surface of ground.

E Pratt.

1832

Estimate of Material Sloughed out from Fill - Taken October 6, 1910. 16

Standard American Dredging Co. Contract - Hydraulic Dredge "Richmond."

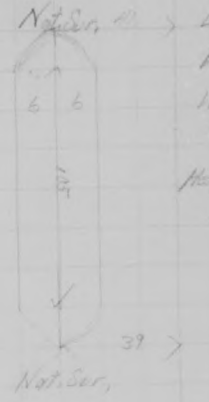
Lt. ℄ Rt

1439+32

+35

1440+40

1440+42



Length overall 110'

Length at Top 105'

Width at Bottom 12'

" " Top 5'

Height at 1439+35 1 9/12

" at 1440+40 2 2/12

(In all cases)

Height of Slough measured from natural surface of ground.

1833

Gross-section Notes for October 1910.

Standard American Dredging Co's

P.

1181+02 +09

1184+75.01 +75.01

1185

+39.9

+50

1186

+50

1187

+50

1188

+50

Estimate taken November 1, 1910. 17

Contract — Hydraulic Dredge "Richmond"

LT C RT

Original x-section

1834

Cross-section Notes for October 191 | Estimate taken November 1, 1910. 18

Standard American Dredging Co. | Contract — Hydraulic Dredge "Richmond"

Lt | C | Rt.

P.

1189

+50

+80

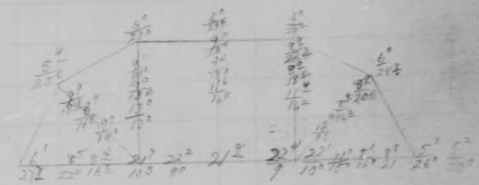
1190

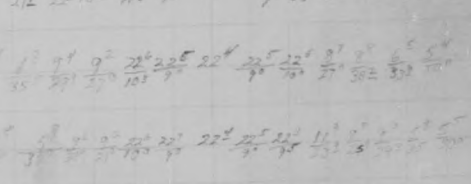
1190 +55

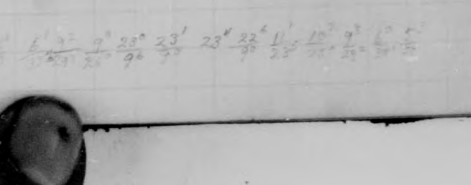
1191

+50

1192







Cross-section Notes for October 1910.

Standard American Dredging Co's

+50

1193

+50

1194

+50

1195

+50

1196

+50

1197

Estimate taken November 2, 1910. 19

Contract — Hydraulic Dredge "Richmond."

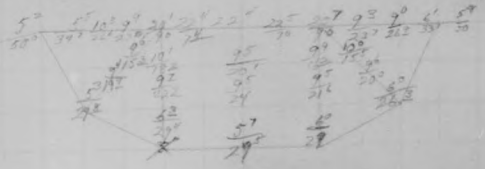
Lt C Rt

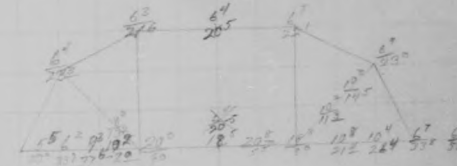
1836

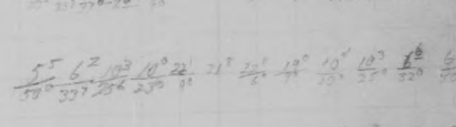
Cross-section Notes for October 1910 - Estimate taken November 3, 1910

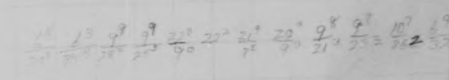
Standard American Dredging Co. Contract - Hydraulic Dredge Richmond

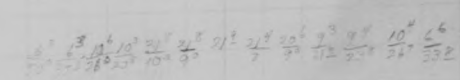
		LT	C	RT
1197	+24°			
1211	+02.2			
	+05.			
	+50			
1422				
	+50			

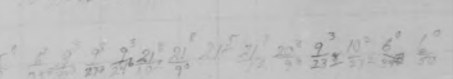


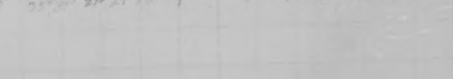












Cross-section Notes for October 1910

Standard American Dredging Co.

1423

+50

1424

+13

+18½

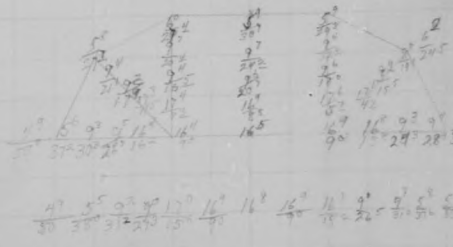
+93½

+99⅝

Estimate taken November 3, 1910 21

Contract — Hydraulic Dredge "Richmond"

Lt C 7t



1838

Cross-section Notes for October 1910

Standard American Dredging Co's

1425	+50
	+77.9
1426	+20.8
	+50
1427	+00.5
	+50
14	+72.7
1428	
	+50
1429	

Estimate Taken November 8, 1910. 22

Contract — Hydraulic Dredge Richmond

Lt	C	Ft
5.0 5.0 9.0 9.3 19.1 19.2 19.7	12.4 12.5 10.1 8.5 5.1 4.9	
5.0 5.0 9.1 9.3 24.1 22.0 21.3	21.1 21.1 9.7 9.7 5.0 5.2	
5.0 5.0 9.0 9.2 21.7	21.8 21.8 9.0 8.2 5.4 5.0	
5.0 5.0 9.0 9.0 20.8 21.2 21.2	21.8 21.2 9.8 9.1 5.4 5.2	
5.0 5.0 8.2 8.3 20.7 21.2 21.2	21.4 21.2 9.3 9.1 5.4 5.3	
4.8 4.8 8.0 8.0 21.6 21.5 21.0	20.4 20.0 9.2 9.1 6.4 5.2	
4.4 4.4 8.0 8.1 22.0 21.2 21.0	21.1 21.7 9.4 9.2 5.2 4.9	
4.0 3.9 7.7 8.0 21.7 21.4 21.0	22.2 22.2 9.2 9.2 4.7 5.0	
4.0 4.5 8.5 8.3 21.6 21.4	21.4 21.7 8.0 7.8 5.1 5.0	
4.0 3.8 8.5 8.2 21.7 22.0	22.2 22.2 9.2 9.1 5.1 5.1	

1839

Cross-section Notes for October 1910

Standard American Dredging Co.

+50

1430

+50

1431

+50

1432

+23'

+38'4

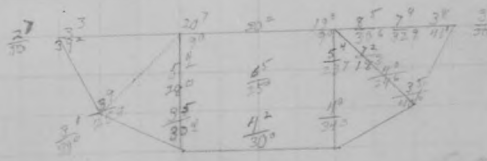
+70

In all cases
Numerator = Elevation
Denominator = Distance from ⊙
Elevations taken from U.S.N.A.R. Datum

Estimate taken November 8, 1910. 23

Contract — Hydraulic Dredge Richmond

Lt. C Rt



1840

Cross-section notes for November 1910 — Estimate Taken December 7, 8, 9 & 9, 1910. 24

Standard American Dredging Company's Contract — "Dredger Richmond"

Stations "T"					
1168	+95				
1169					
1169	+50				
1169	+75				
1170					
	+05				
	+50				
1171					
	+50				
1172					
	+50				

(See appended notes for Excavations previous to Estimate (being placed))

Cross-section notes for November 1910

Standard American Dredging Company

Stations, T

1173

+50

1174

+50

1175

+35 (See appended notes for original notes.)

C

1176

+55 (See appended notes for original notes.)

1177

(N.B. For X-section notes for Sta. T 1177 to T 1182+72½, see notes taken by P.E. Dubur in X-section book #2 — Pages 2 to 4.)

Estimate Taken December 7, 8, 9 & 9, 1910. 25

Contract — Hydraulic Dredger "Richmond".

Lt C Rt

1842

Cross-section notes for November 1910 -

Standard American Dredging Company's

Stations

"T"

+30

1178

+20

1179

+10

1180

+00

+81.5

1181

+58

Estimate taken December 7, 8, 9, 19, 1910 26

Contract - Hydraulic Dredger "Richmond"

Lt C Rt.

(N.B. See Book #2 - Notes taken by P.E. Wilson)
(Pages 2 to 4)

1843

Cross-section notes for November 1910 – Estimate taken December 7, 8, 9 and 9, 1910, 27

Standard American Dredging Company's Contract – Hydraulic Dredger "Richmond".

Stations "T"

1182 — L — C — Fft

(N.B. – For x-section notes for Stations T 1182 + 72.16 to T 1177, see notes taken by P.E. Dubar in R-section book 82 – pages 2 to 4.)

+42.22

+72.16

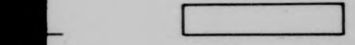
1183 +19

1184

+19

+55.1

1185



Cross-section notes for November 1910

Standard American Dredging Company's

Stations

"T"

+30

+100

1186

+50

1187

+50

1188

+50

1189

+50

Estimate taken December 7, 8, 9, 1910. 28

Contract - Hydraulic Dredger "Richmond".

LT C TT

1845

Cross-section notes for November 1910.

Standard American Dredging Company's Contract – Hydraulic Dredger "Richmond"

Stations

"T"

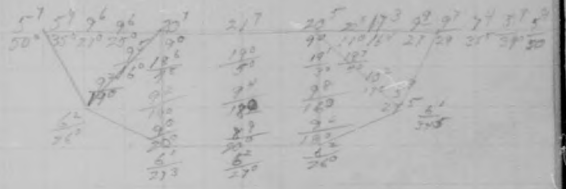
1189 +80

In all cases:
Numerator = Elevation
Denominator = Distance from ℄
Elevations taken from U.S.C.&G.S. Datum

Estimate taken December 7, 8, 9 and 9, 1910,

29

℄ℓ ℄ ℄r



N.B. For X-section notes for S-line Estimate – see book #2 – pages 5 & 6 – notes taken by P.E.Arthur. See page 30 (this book) for X-section for estimate at Sta S-1177+40.

1846

Cross-section notes for November 1910

Standard American Dredging Company's

Stations

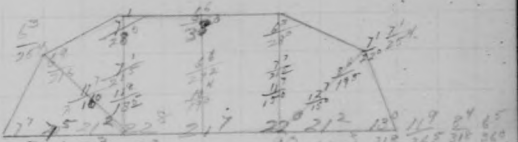
1"S"

1177+40 (see appended notes for original notes)

Estimate taken December 7, 8, 9 & 9, 1910. 30

Contract – Hydraulic Dredger "Richmond"

Lt. C Rt



(N.E. For complete S-line X-section notes for estimate see notes in Book #2 pages 5 & 6 – Notes taken by P.E. Dotson)

C.O.A.

1847

Original X-section of Sta S1177+40

Station "S."	Lt	C	Rt
1177+40	14.8 / 31.4	14.4 / 9.0	15.1
	14.7 / 22.1	14.9 / 22.4	15.0 / 22.5
		15.5 / 9.0	15.1 / 31.7
		15.1 / 22.7	15.1 / 22.7

1848

1849